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Electronic Patent Application Submission
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EFS ID: 17707
Application ID: 10065007
Title of Invention: CONTROL STRATEGY FOR AN
ELECTRIC MOTOR USING REAL
TIME PREDICTIONS OF MOTOR
CAPABILITY BASED ON THERMAL
MODELING AND MEASUREMENTS
First Named Inventor: Allan Gale
Domestic/Foreign Application: Domestic Application
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Effective Receipt Date: 2002-09-09
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Filing Type: new-utility
Confirmation Number: 0
Attorney Docket Number: 201-1162
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Trademark Office, ou=Department of Commerce, o=U.S.
Government, c=US
Certificate Message Digest: cHsQJQVgveOIHjQWogbjEQ==
Total Fees Authorized: \$1084.0
Payment Category: DA - Deposit Account
Deposit Account Number: 61510
Deposit Account Name: Sheri L. Charles





TRANSMITTAL FORM

Electronic Version 1.0.3

Stylesheet Version: 1.0

Submission Type: Utility Patent
Filing

Attorney Docket
Number:

201-
1162

CONTROL STRATEGY FOR AN ELECTRIC MOTOR USING REAL TIME PREDICTIONS OF MOTOR CAPABILITY BASED ON THERMAL MODELING AND MEASUREMENTS

First Named Inventor: Allan Roy Gale

SUBMITTED BY

Organization Name:

Ford Motor Company

Name:

Sheri Lynn Charles Electronic
Application Specialist

Electronic Signature Mark: /slc

Date Signed: 20020909

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declaration
declaration
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patent-assignments
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declaration1of2.tif
declaration2of2.tif
consent.tif
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Comments:

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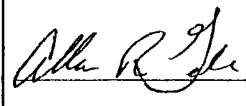
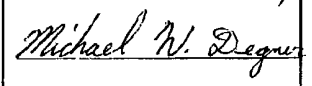
DECLARATION AND POWER OF ATTORNEY - ORIGINAL APPLICATION	Attorney's Docket No. 201-1162																								
<p>As a below named inventor, I hereby declare: My residence, post office address and citizenship are as stated below next to my name;</p> <p>I verily believe I am the original, first and sole inventor or an original, first and joint inventor of the subject matter that is claimed and for which a patent is sought on the invention entitled</p> <p>CONTROL STRATEGY FOR AN ELECTRIC MOTOR USING REAL TIME PREDICTIONS OF MOTOR CAPABILITY BASED ON THERMAL MODELING AND MEASUREMENTS</p> <p>the specification of which is attached hereto.</p> <p>I have reviewed and understand the contents of the specification identified above, including the claims.</p> <p>I acknowledge my duty to disclose information of which I am aware that is material to the examination of this application in accordance with Section 1.56(a), Title 37 of the Code of Federal Regulations; and as to application for patents or inventor's certificate on the invention filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns,</p> <p style="margin-left: 40px;"> <input checked="" type="checkbox"/> no such applications have been filed, or <input type="checkbox"/> such applications have been filed as follows: <input type="checkbox"/> I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below </p>																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">COUNTRY</th> <th style="width: 15%;">APPLICATION NO.</th> <th style="width: 15%;">DATE OF FILING (month, day, year)</th> <th style="width: 15%;">DATE OF ISSUE (month, day, year)</th> <th style="width: 15%;">PRIORITY CLAIMED UNDER 35 USC 119</th> <th style="width: 20%;"><input type="checkbox"/> Addition provisional application numbers are listed on a supplement priority data PTO/SB/021 attached hereto</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		COUNTRY	APPLICATION NO.	DATE OF FILING (month, day, year)	DATE OF ISSUE (month, day, year)	PRIORITY CLAIMED UNDER 35 USC 119	<input type="checkbox"/> Addition provisional application numbers are listed on a supplement priority data PTO/SB/021 attached hereto																		
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<p>I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 became available between the filing date of the prior application and the national or PCT International filing date of this application.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> <td style="border-bottom: 1px solid black; width: 33%;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> <tr><td colspan="3"> </td></tr> <tr> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black;"></td> </tr> <tr> <td style="text-align: center;">(Application Number)</td> <td style="text-align: center;">(Filing Date)</td> <td style="text-align: center;">(Status - patented, pending, abandoned)</td> </tr> </table> <p>POWER OF ATTORNEY: - I/we hereby appoint Practitioners at Customer No. 022844, as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office and in foreign Patent Offices.</p>					(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)							(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)									
(Application Number)	(Filing Date)	(Status - patented, pending, abandoned)																							
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Attorney Docket No: 201-1162 Please call 313-322-7725 if this paper becomes separated from the file.

Address all correspondence and telephone calls to:

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 600 East Parklane Towers
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believe true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity application or any patent issuing thereon.

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Michael W. Degner 23465 Highmeadow Drive Novi, MI 48375 US	Novi, MI 48375 US	U.S.A		

Attorney Docket No: 201-1162 Please call 313-322-7725 if this paper becomes separated from the file.

Customer No. 022844

PATENT APPLICATION

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D. C. 20231

Case Docket No. 201-1162
Date: July 26, 2002

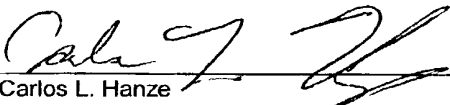
Sir:

Inventor(s):
Allan Gale
Michael Degner

For: **CONTROL STRATEGY FOR AN ELECTRIC MOTOR USING REAL TIME PREDICTIONS OF MOTOR CAPABILITY BASED ON THERMAL MODELING AND MEASUREMENTS**

The attorney or agent below has reviewed this application and its attachments and consents to electronic filing by the assignee.

Respectfully submitted:



Carlos L. Hanze

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FEE TRANSMITTAL

Electronic Version 1.1.0

Stylesheet Version: 1.0

Patent fees are subject to annual revisions on or about October 1st of each year.

Large Entity

TOTAL FEES AUTHORIZED: \$ 1084

The commissioner is hereby authorized to charge indicated processing and/or publication fees and credit any overpayments to:

Deposit Account Number: 06-1510



Deposit Account Name: Ford Global Technologies, Inc.

Charge Any Additional Fee Required Under 37 C.F.R. Sections 1.16 and 1.17.

Charge Assignment Fees Required Under 37 C.F.R. Section 1.21 (h).

SUBMITTED BY

Authorized Name: Sheri L. Charles

Electronic Signature Mark: /slc

Date Signed: 20020909

BASIC FILING FEE

Fee Description	Fee Code	Fee Paid
Utility Filing Fee	101	\$ 740

Subtotal For Basic Filing Fee: \$ 740

EXTRA CLAIM FEES

	Fee Code	Fee	Extra Claims	Fee Paid
Total Claims: 30	103	\$ 18	10	\$ 180
Independent Claims: 4	102	\$ 84	1	\$ 84

Subtotal For Extra Claims Fees: \$ 264

ADDITIONAL FEES

Fee Description	Number	Quantity	Fee Code	Amount	Fee Paid
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40
Recording Each Patent Assignment Per Property Fee	00000000	1	581	\$ 40	\$ 40

Subtotal For Additional Fees: \$ 80